3/25/2014
 PROJECT NUMBER
 SHET NO.
 TOTAL SHEETS

 USER: 3270-EST
 GDOT_D. + b1
 3/25 / 30 / 355

SOIL SERIES INFORMATION

A project-specific soil survey and geotechnical investigation was performed for this project and can be made available upon request. Soil characteristics have been given full consideration in the hydrologic analysis, the design of channels and linings, selection of temporary BMP's, design of energy dissipaters, and the selection of permanent vegetation and fertilizers.

The following is a summary of the soils that are expected to be found on the project site:

MAP UNIT SYMBOL	MAP UNIT NAME	RATING	COMPONENT NAME (PERCENT)	RATING REASON (NUMERIC VALUES)	ACRES IN AOI	PERCI OF A
AkB	Altavista fine sandy loam, 2 to 6 percent slopes	Slight	Altavista (100%)	N/A	5.7	6.80
AmB	Appling sandy loam, 2 to 6 percent slopes	Slight	Appling (100%)	N/A	9.3	10.90
CeB	Cecil sandy loam, 2 to 6 percent slopes	Slight	Cecil (100%)	N/A	0.3	0.30
CeC	Cecil sandy loam, 6 to 10 percent slopes	Slight	Cecil (100%)	N/A	7.4	8.80
CeD	Cecil sandy loam, 10 to 15 percent slopes	Slight	Cecil (100%)	N/A	5.9	6.90
CfD2	Cecil sandy clay loam, 10 to 15 percent slopes, eroded	Slight	Cecil (100%)	N/A	1.2	1.40
MdB	Madison gravelly sandy loam, 2 to 6 percent slopes	Slight	Madison (100%)	N/A	26.9	31.70
MdC	Madison gracelly sandy loam, 6 to 10 percent slopes	Slight	Madison (100%)	N/A	9.3	10.90
MdE	Madison gravelly sandy loam, 15 to 25 percent slopes	Moderate	Madison (100%)	Slope/erodibility (0.50)	0.6	0.70
MfC2	Madison gravelly sandy clay loam, 6 to 10 percent slopes, eroded	Slight	Madison (100%)	N/A	0.1	0.10
MfD2	Madison gravelly sandy clay loam, 10 to 15 percent slopes, eroded	Slight	Madison (100%)	N/A	8.6	10.20
PgE2	Pacolet sandy clay loam, 15 to 25 percent slopes, eroded	Moderate	Pacolet (100%)	Slope/erodibility (0.50)	1.3	1.60
Rh	Riverview loam	Slight	Riverview (100%)	N/A	1.4	1.60
RK	Riverview-Chewacla association	Slight	Riverview (50%) Chewacla (40%)	N/A	6.9	8.10

Due to the size and scope of this project and the nature of soil series maps, it is not reasonably practical to delineate the precise locations of the above listed soils on the construction plans. The NRCS soil survey and soil series maps for the project site are also available online at http://websoilsurvey.nrcs.usda.gov/.

STREAM AND OPEN-WATER BUFFER ENCROACHMENTS

Stream Buffers, as defined by O.C.G.A 12-7-1 are impacted by this project.

The Contractor is not authorized to enter into stream buffers, except as described in the table

pelow:							
	LOCATION OF	BUFFERED STREA	MS AND STATE				
		WATER **					
		BEGIN STATION	END STATION	STREAM TYPE	BUFFER	BUFFER	
STREAM NAME		(LEFT OR	(LEFT OR	(WARM OR	IMPACTED (YES	VARIANCE	
OR NUMBER	ALIGNMENT	RIGHT)	RIGHT)	COLD WATER)	OR NO)	REQUIRED?	DESCRIBE THE ALLOWABLE ACTIVITIES AND/OR RESTRICTIONS WITHIN THE BUFFER AND APPROXIMATE LOCATION OF IMPACTS.
Stream Buffer PS 06	SE/NEWNAN BYPASS	112+50 RT	124+75 RT	Warm	NO	NO	The existing stream is located outside the proposed ROW and project construction limits. The contractor shall not enter this buffer.
Stream Buffer PS 07	SE/NEWNAN BYPASS	124+10 RT	133+80 LT	Warm	YES	YES	Disturbance activities consist of associated grading to existing terrain on new location due to installation of double 9'x5' box culvert. The allowable activities consist of contractor permitted to work within an area of 50 feet to left and right of box culvert. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary downdrains to prevent sediment from leaving the project and entering the buffer.
Stream Buffer PS 10	SE/NEWNAN BYPASS	148+20 LT	149+70 RT	Warm	YES	NO	Disturbance activities consist of associated grading to existing terrain on new location due to installation of double 10'x10' box culvert. The allowable activities consist of contractor permitted to work within an area of 50 feet to left and right of box culvert. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary downdrains to prevent sediment from leaving the project and entering the buffer.
Stream Buffer IS 11	SE/NEWNAN BYPASS	149+00 LT	149+60 LT	Warm	YES	YES	Disturbance activities consist of associated grading to existing terrain on new location due to installation of double 10'x10' box culvert. This buffer will require a stream buffer because the stream will be completely filled due to the location of construction limits. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary downdrains to prevent sediment from leaving the project. The contractor shall not perform any work in the buffer without an approved permit.
Stream Buffer IS 13	SE/NEWNAN BYPASS	149+20 RT	150+10 RT	Warm	YES	YES	Disturbance activities consist of associated grading to existing terrain on new location due to installation of double 10'x10' box culvert. This buffer will require a stream buffer because the stream will be partially filled due to the location of construction limits. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary downdrains to prevent sediment from leaving the project. The contractor shall not perform any work in the buffer without an approved permit.
Stream Buffer IS 15	SE/NEWNAN BYPASS	149+10 RT	153+60 RT	Warm	YES	YES	Disturbance activities consist of associated grading to existing terrain on new location due to installation of double 10'x10' box culvert. This buffer will require a stream buffer because the stream will be partially filled due to the location of construction limits. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary downdrains to prevent sediment from leaving the project. The contractor shall not perform any work in the buffer without an approved permit.
Open Water Boundary OW 09	SE/NEWNAN BYPASS	133+80 LT	152+00 LT	Warm	NO	NO	The existing pond is located outside the proposed ROW and project construction limits. The contractor shall not enter this buffer.
Stream Buffer PS 16	SE/NEWNAN BYPASS	156+50 LT/RT	161+55 LT/RT	Warm	YES	NO	Disturbance activities consist of associated grading to existing terrain on new location due to installation of double 10'x10' box culvert. The allowable activities consist of contractor permitted to work within an area of 50 feet to left and right of box culvert. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary downdrains to prevent sediment from leaving the project and entering the buffer.
Stream Buffer IS 17	SE/NEWNAN BYPASS	160+00 LT	166+60 LT	Warm	YES	YES	Disturbance activities consist of associated grading to existing terrain on new location due to installation of double 10'x10' box culvert. This buffer will require a stream buffer because the buffer will be encroached by the construction limits. Contractor shall install orange barrier fence, double row of Type C silt fence with a row of hay bales along the base of construction limits, ditch checks, erosion control mats, rock dams, and temporary downdrains to prevent sediment from leaving the project. The contractor shall not perform any work in the buffer without an approved permit.
Open Water Boundary OW 19	SE/NEWNAN BYPASS	160+80 LT	166+50 LT	Warm	NO	NO	The existing pond is located outside the proposed ROW and project construction limits. The contractor shall not enter this buffer.
Open Water Boundary OW 21	SE/NEWNAN BYPASS	173+00 RT	177+30 RT	Warm	NO	NO	The existing pond is located outside the proposed ROW and project construction limits. The contractor shall not enter this buffer.

Unless noted otherwise, utility companies will be submitting the required permits/variances in conjunction with the impacts caused by their activities. If utility impacts are covered by the Department's stream buffer variance, this shall be noted in the buffer-variance-required column.

* Warm water streams have a 25-foot minimum buffer as measured from the wrested vegetation. Cold Water streams have a 50-foot buffer as measured from the wrested vegetation. Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation without first acquiring the necessary variances and permits

**Locations are approximate, a detailed location of stream buffers and authorized work areas are shown on the individual BMP sheets

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		ESPC GENERAL NOTES		
3-28-14		DEPARTMENT OF TRANSPORTATION		
REVIS	SION DATES	GEORG I A		

SE / NEWNAN BYPASS FROM
S.R. 16 TO TURKEY CREEK ROAD

51-002